

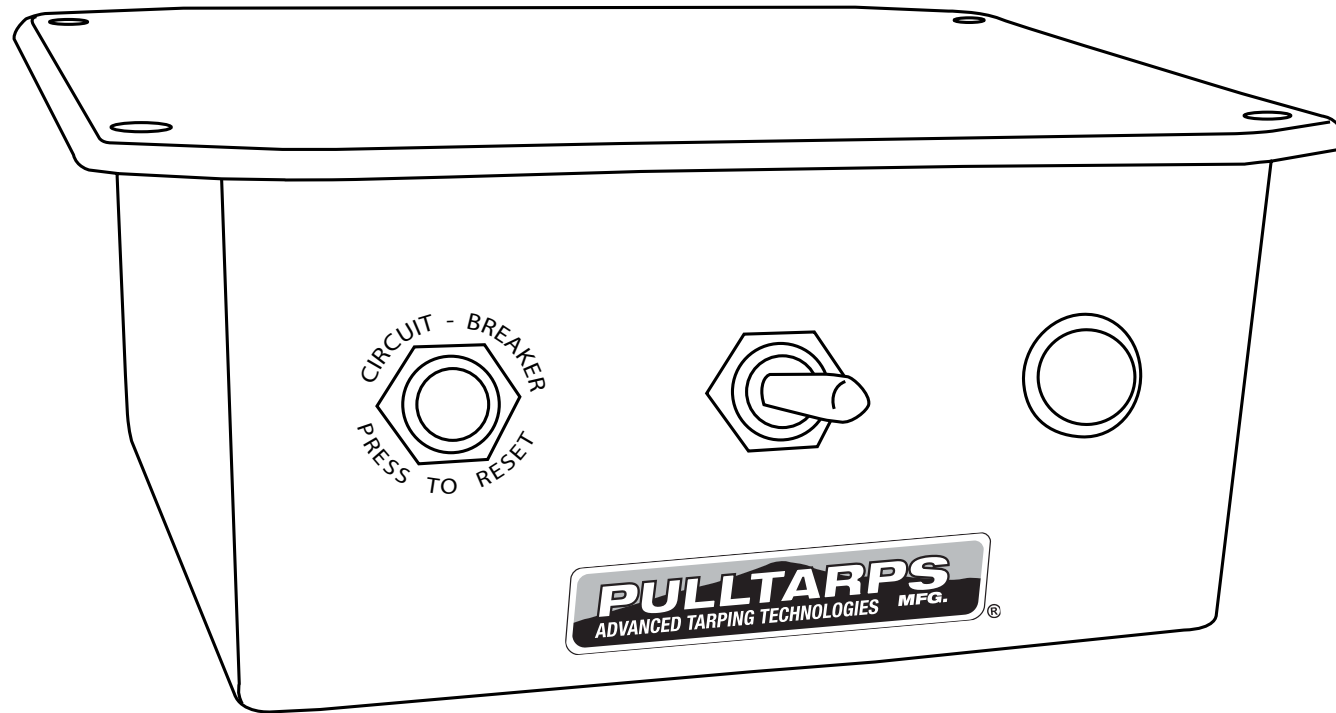


1404 N. Marshall Ave. El Cajon CA. 92020

## 25 Amp Electrical PT Switch Assembly Wiring Instructions

WLH 08/09/16

514-0101



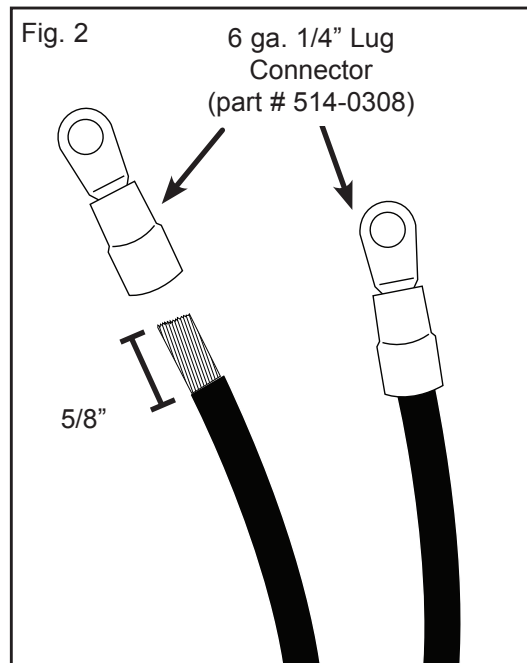
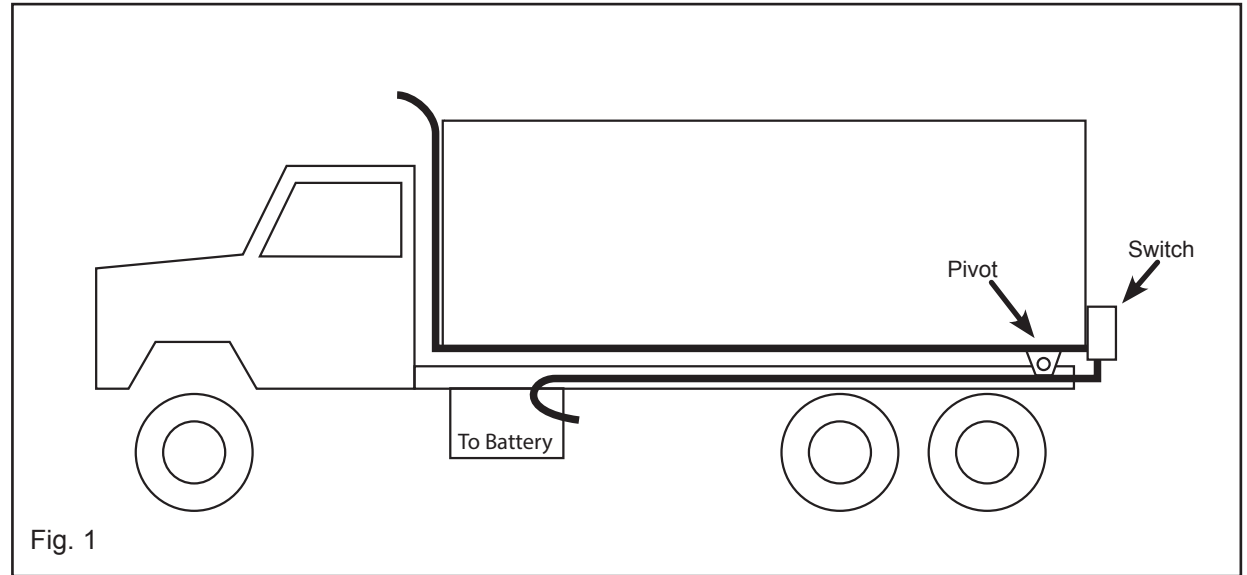
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**Step 1.**

Run the 6 ga. wire to both locations (motor & battery box) and attach to truck body as shown (Fig. 1).

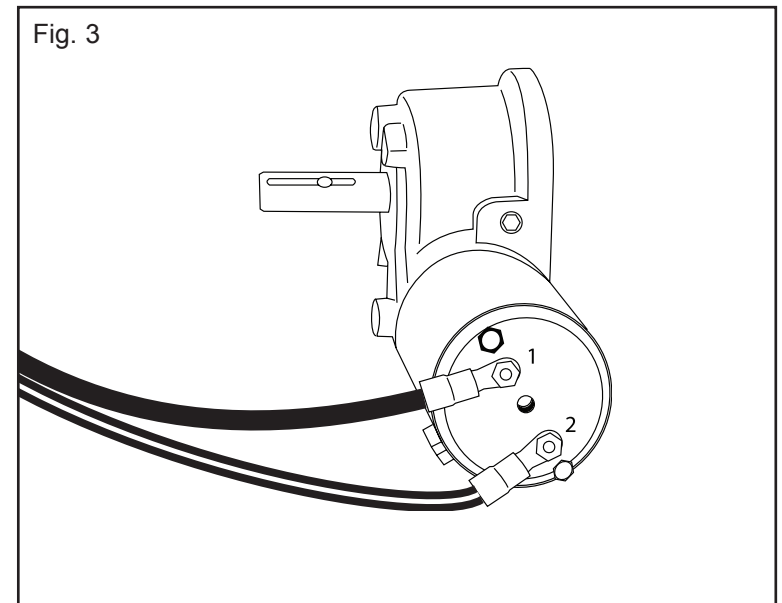
**Note:** The wire must go beyond the pivot point.

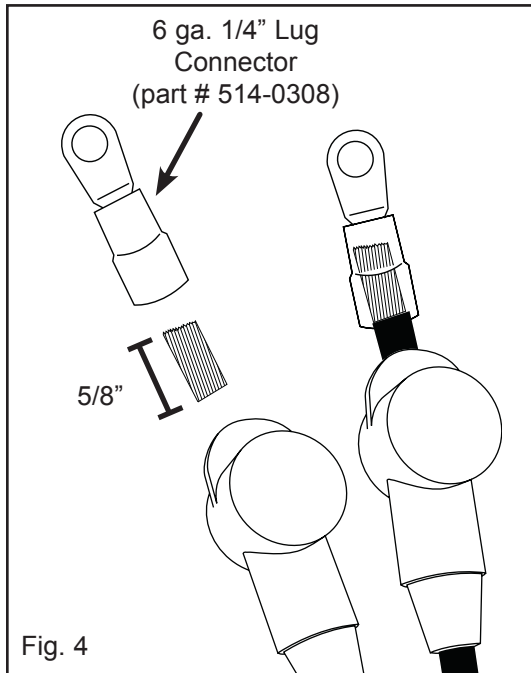
**Caution:** Make sure wire does not get pinched at the pivot.



**Step 2.  
Attaching The Connectors (Motor)**

- A.** Split the molded 6 ga. wire approximately 4" and strip the ends about 5/8" down.
- B.** Attach connectors (part # 514 0308) and crimp (Fig. 2).
- C.** Attach black wire to Terminal # 1 on motor (Fig. 3).
- D.** Attach red striped wire to Terminal # 2 on motor (Fig. 3).

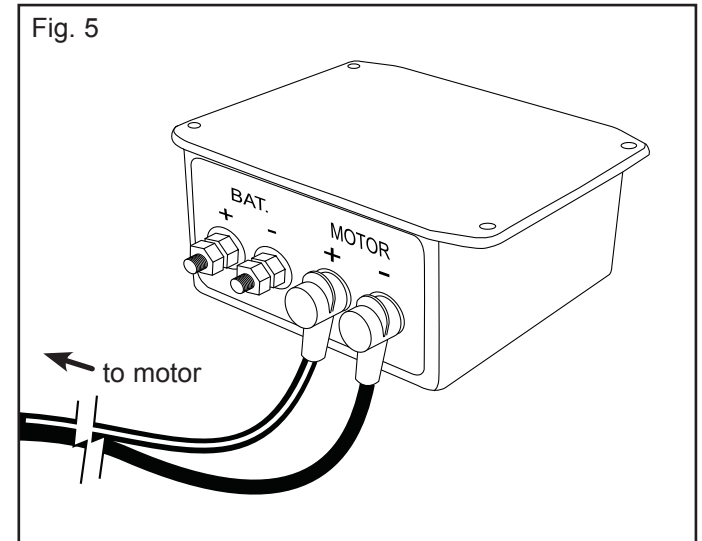




**Step 3.**

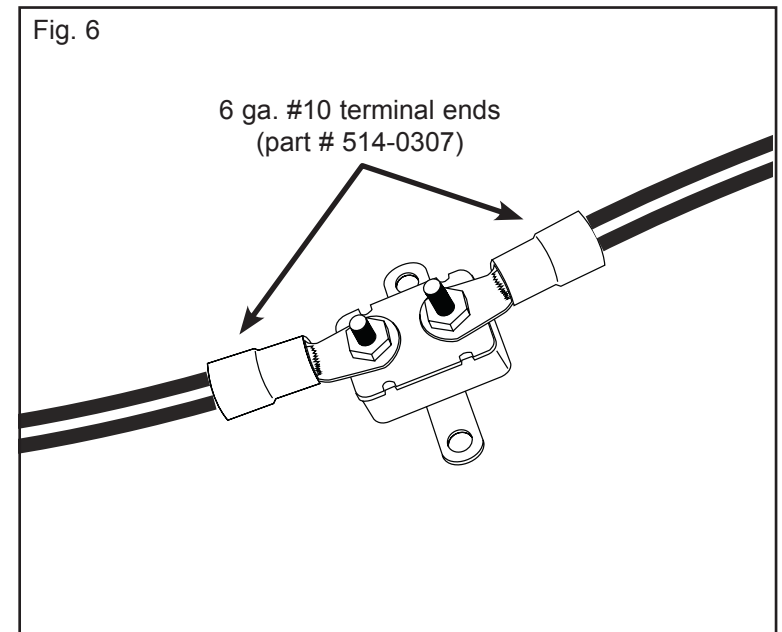
- A.** Mount the Control Box at tailgate.
- B.** Split the 6 ga. wire at the Control Box about 4" back and slip on rubber boots - Red Boot (part # 514-0319) on red striped wire and Black Boot (part # 514-0317) on black wire (Fig. 4 & 5).
- C.** Strip wire about 5/8" and attach connectors (part # 514-0308) (Fig. 4). Crimp Connectors.
- D.** Attach Red Striped wire to Motor (+) and Black wire to Motor (-) on Control Box (Fig. 5).

**Caution: Do not over tighten nuts on connections!**



**Step 4. Wiring the Breaker**

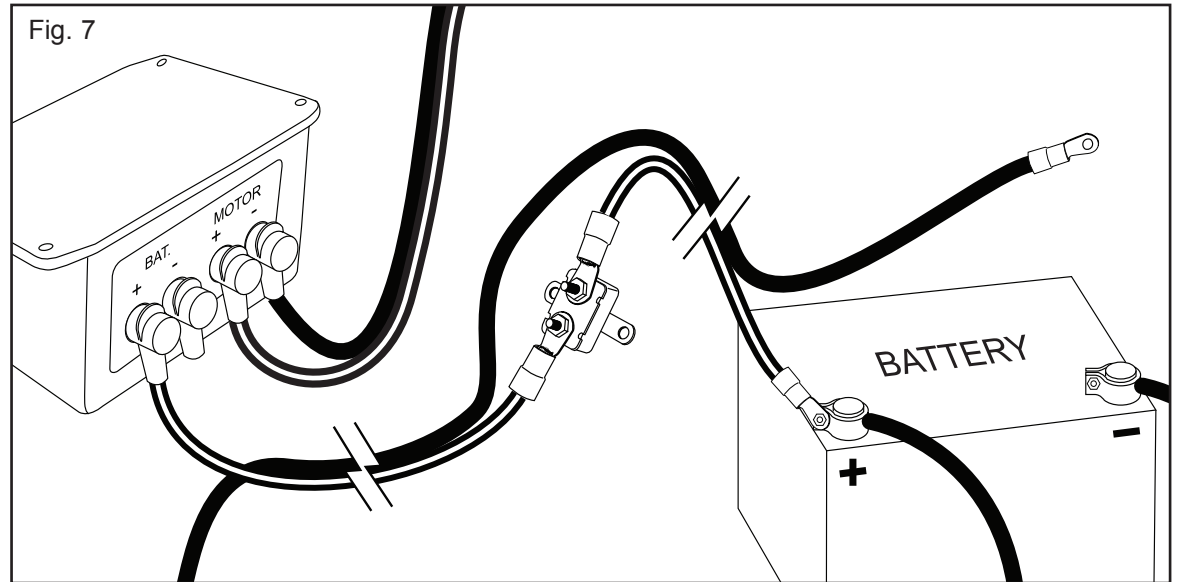
- A.** Mount breaker in the battery box away from moisture.
- B.** Cut a section in the red 6 ga. wire that will run to the positive terminal on the battery.
- C.** Strip the ends about 5/8" and attach the 6 ga. #10 terminal ends (Part # 514-0307).
- D.** Attach to breaker.



**Step 5. Wiring the Battery**

**A.** Attach the red striped 6 ga. wire to BAT (+) at the control box. Slide Red Terminal Boot over the end and connect using the Lug Connector (part # 514-0308) as done in step 3.

**B.** Attach the other end of the red striped 6 ga. wire to the positive terminal on the battery using a 6 ga. 3/8" terminal end (part # 514-0309) or 1/4" terminal end (part # 514-0308) depending on the size of the terminal at the battery (Fig. 7).



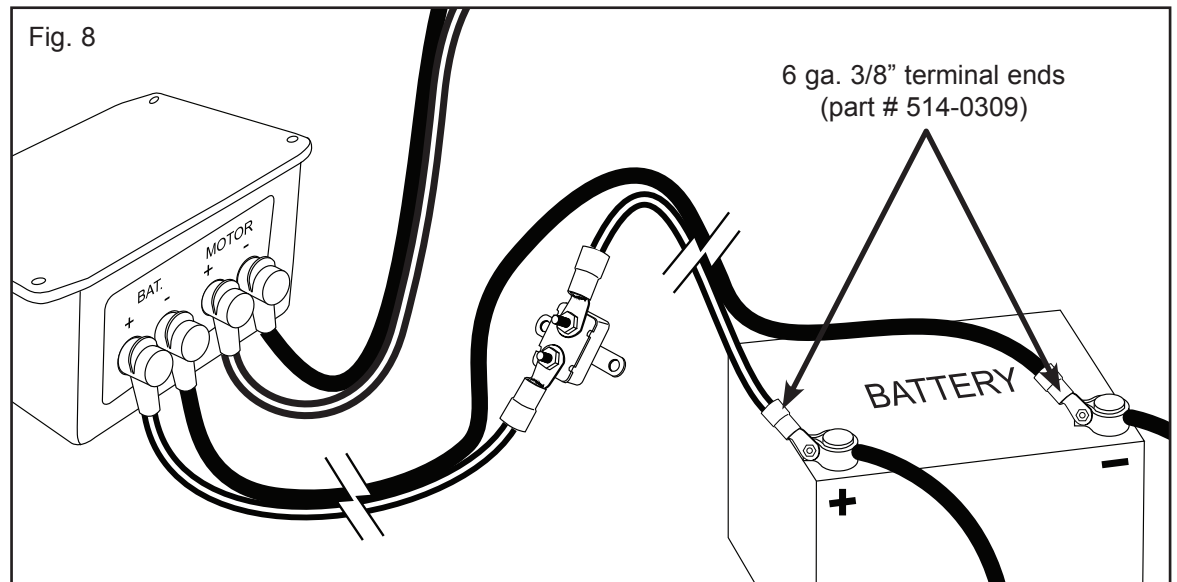
**Step 6. Wiring the Battery**

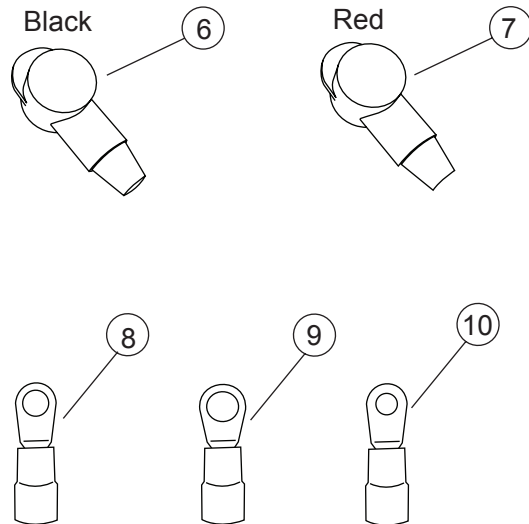
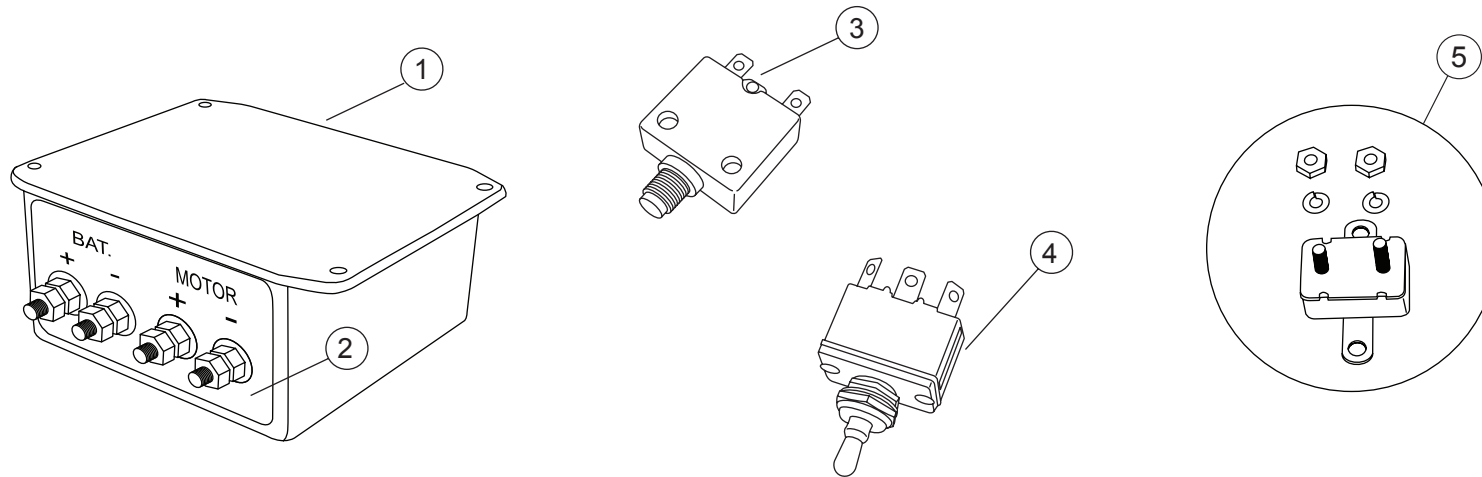
**A.** Connect the black 6 ga. wire to the negative terminal on the battery using a 6 ga. 3/8" terminal end (part # 514 0309) or 1/4" terminal end (part # 514-0308) depending on the size of the terminal at the battery (Fig. 8).

**B.** Attach the other end of the black 6 ga. wire to BAT (-) at the control box as done in step 3. Slide Black Terminal Boot over the end and connect using the Lug Connector (part # 514-0308) as shown (Fig. 8).

**Warning:** You must attach the black 6 ga. wire to the battery first, before attaching it to the box.

**Note:** If the system operates backwards then reverse the 6 ga. wires on the motor.





Item #	Part #	Description:	QTY:
1	514-9906	Enclosure for Electric Switch	1
2	517-0214	Electric Switch Label	1
3	514-0402	25 Amp "Push to Rest Breaker"	1
4	514-0102	15 Amp Switch for Electric	1
5	514-0403	30 Amp Type II Breaker	1
6	514-0317	Black Terminal Boot	2
7	514-0319	Red Terminal Boot	2
8	514-0308	Connector 6 ga. Lug with 1/4" Eyelet	6
9	514-0309	Connector 6 ga. Lug with 3/8" Eyelet	2
10	514-0307	Connector 6 ga. #10 Stud	2

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